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## Stedman's Definition

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## Stedman's Medical Dictionary 27th Edition

### hypogonadism

Inadequate gonadal function, as manifested by deficiencies in gametogenesis and/or the secretion of gonadal hormones; results in atrophy or deficient development of secondary sexual characteristics and, when occurring in prepubertal males, in altered body habitus characterized by a short trunk and long limbs. **familial hypogonadotropic h.** [MIM\*312100 & MIM\*307300] a group of disorders characterized by failure of sexual development, owing to inadequate secretion of pituitary gonadotropins; perhaps X-linked, but probably autosomal dominant and recessive modes of inheritance also exist. **hypergonadotropic h.** defective gonadal development or function of the gonads, resulting from elevated levels of gonadotropins. **hypogonadotropic h.** defective gonadal development or function, or both, resulting from inadequate secretion of pituitary gonadotropins. SYN: hypogonadotropic eunuchoidism, secondary h.. **male h.** SYN: eunuchoidism. **primary h.** defective gonadal development or function, or both, due to abnormality or loss of the gonad itself. **secondary h.** SYN: hypogonadotropic h.. **h. with anosmia** failure of sexual development secondary to inadequate secretion of pituitary gonadotrophins, associated with anosmia due to agenesis of the olfactory lobes of the brain. Autosomal dominant [MIM\*147950], autosomal recessive [MIM\*244200], and X-linked recessive [MIM\*308700] forms exist; the X-linked form is caused by mutation in the Kallmann gene (KAL1) on Xp. SYN: Kallmann syndrome.

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